

2/33 Fig. 2

10 20	30	40	50	
1234567890 1234567890 1 GCTTATAGAA GGACCCCTAG T A Y R R T P S L I E G P L V L K D P . Y	ATCCCTAA M G . W G N	TCCCCTCTCG S P L G P L W	GAAACCAAGC N Q A E T K P	50
CCCAGTACTC AGCAGGAAAA A' P V L S R K N Q Y S A G K I P S T Q Q E K	R I G	N L T T S Q	R T Y F G H T	100
PPLQMAS FLPSRWL SSPPDG.	н. G АтЕ	RKN EGKI	T F T L S P	150
TGCAGCTAAC CAACAGAAAT TA C S . P T E I . A A N Q Q K L Q L T N R N Y	T . N L K T	PSPN LHQ	L P L T F H L	200
TAGGCATIGA TAGCACCCAT CAR H H P S G I D S T H Q . A L I A P I	D G Q M A K	I I I L L F	Y W T R T G P	250
OCCITITCA AAACTATCAA GA PFQNYQE GLFKTIK AFSKLSR	DSQ KIV	G L . R G C E	S V P V C Q	300
AACAAATAAT K K R N N E I	÷			310

<sup>3/33</sup> Fig. 3A

10 20 30 40 50	
1234567890 1234567890 1234567890 1234567890 1234567890	
CCCIGIATCT TTAACCICCT TGITAAGTTT GICTCITCCA GAATCAAAAC	50
PCIFNLL VKF VSSR IKT	
PVS LTSL LSL SLP ESKL	
LYL . PPC. VCLFQ NQN	•
TGIAAAACTA CAAATTGITC TTCAAATGGA GCACCAGATG GAGICCATGA	100
V K L Q I V L Q M E H Q M E S M T	*
NYKLFFKWSTRWSP.	
C K T T N C S S N G A P D G V H D	
CTAAGATCCA CCGIGGACCC CIGGACCGC CIGCIAGCCC AIGCICCGAT	150
KIHRGPLDRPASPCSD	
LRST VDP WTG LLAH APM	
. DPPWTPGPAC.PMLRC	
GTTAATGACA TTGAAGGCAC CCCTCCCGAG GAAATCTCAA CTGCACAACC	200
V N D I E G T P P E E I S T A Q P	
LMT LKAP LPR KSQ LHNP	
H . R H P S R G N L N C T T	
	250
CCTACTATCC CCCAATTCAG CGGGAAGCAG TTAGAGCGGT CATCAGCCAA	250
LLCPNSAGSS.SGHQPT	•
Y Y A P I Q R E A V R A V I S Q	
PTMPQFSGKQ LERSSAN	
CCTCCCCAAC AGCACTIGGG TITTCCTGTT GAGAGGGGGG ACTGAGAGAC	300
S P T A L G F S C . E G G L R D	
PPQQHLGFPVERGD.ET	•
LPN STWV FLL RGG TERQ	
L P N S I W V F E E N G G I E N g	
AGGACTAGCT GGATTTCCTA GGCCAACGAA GAATCCCTAA GCCTAGCTGG	350
RTSWIS. ANE ESLS LAG	
GLAGFPR PTK NP. A. LG	
D. L DFL GQRR IPK PSW	

4/33 Fig. 3B

10 20 30 40 50	
1234567890 1234567890 1234567890 1234567890 1234567890	
GAAGGIGACT GCATCCACCT CTAAACATGG GGCTTGCAAC TTAGCTCACA	400
CAADJICACI CAACACCI CIAACATOO COCITOCID IIIDOICACI	-50
KVT ASTS KHG ACN LAHT	
R. L H P P L N M G L A T . L T	
EGDCIHL.TWGLQLSSH	
CCCGACCAAT CAGAGACCIC ACIAAAATGC TAATTAGGCA AAAATAGGAG	450
CCCCACCAAT. CALALAGETC ACTAAAATGC TAATTAGCCT MATATAGCT	-120
RPI REL TKML IRQK.E	
PDQS ESS L K C . L G K N R R	
PTN QRAH . NA N . A KIGG	
TO THE ROOM AND ADDRESS OF A CACALACTE ACACALACTE ACACACACALACTE ACACALACTE ACACALACTE ACACALACTE ACACACACACACACACACACACACACACACACACACAC	500
GTAAAGAAAT AGCCAATCAT CTATTGCCTG AGAGCACAGC GGGAGGGACA	500
VKK. PII YCL RAQR EGQ	
RN SQSSIA. EHS GRDK	
KEI ANH LLPE STA GGT	
К Б 2 11 11 1 — —	
The second secon	550
AGGATOGGGA TATAAAOOCA GGCATTOGAG COGGCAACGG CAACCCCTT	550
G S G Y K P R H S S R Q R Q P P L	• .
DRD INP GIRA GNG NPL	
RIGI . TQ AFE PATA TPF	
K I O I . I & II	
TEGGTCCCCT CCCTTTGTAT GGGCGCTCTG TTTTCACTCT ATTTCACTCT	600
TGGTCCCT CCCTTGTAT GGGGCTCTG TTTCACTCT ATTCACTCT	000
GPL PLY GRSV FTL FHS	
WVPS LCM GAL FSLY FTL	
GSP PFVW ALC FHS ISLY	
	635
ATTAAATCTT GCAACTGAAA AAAAAAAAA AAAAA	
I K S C N . K K K K	
LNLATEKKKKK	
. I L Q L K K K K K	

5/33 Fig. 4A

10 20				
1234567890 1234567890				· · ·
ATGGCCCICC CTTATCATAC M A L P Y H T	TTTTCTCTTT F L F	ACIGITCICT T V L L	TACCCCCTTT P P F	50
WPS LIIL GPP LSY	F S L	L F S	Y P L S	
COCTCTCACT GCACCCCTC A L T A P P P L S L H P L R S H C T P S	C C C H A A V	T T S Q P V	S S P Y A P L	100
ACCAAGAGIT TCIAIGAAGA QEFL.R TKSFYEE PRVSMKN	T R L P R G F	G N I L E I L	D A P M P H	150
TCATATAGGA GITTATCIAA S Y R S L S K H I G V Y L R I E F I .	G N S E T P	T F T A P S L	H T H P T P I	200
TATOCCCCC AACTOCTATA  M P R N C Y N  C P A T A I  Y A P Q L L .	S A T T L P L	L C M F A C	T M A H	250
CTCATTATTG GACAGGGAAA A H Y W T G K I L I I G Q G K S L L D R E N	MINP .LI	S C P L V V L	G G L E D L	
GAGCCACIG TCIGITGGAC G G A T V C W T E P L S V G L S H C L L D	Y F T T	H T S M I P V	S D G	350

### 6/33 Fig. 4B

10	. 20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
GGGTGGAATT G G I V E F	CAAGGTCAGG Q G Q A K V R R S G	CAAGAGAAAA R E K Q E K N	ACAAGTAAAG Q V K K * R	GAAGCAATCT E A I S K Q S	400
Q L T	$R \cdot G \cdot H$	S T P S	P Y K A P T K	D * F	
L S K L	TACATGAAAC HET YMKP T*N	L R T	H T R L I L A	W * A Y	500
F N T	ACCCTCACTC T L T R P S L P H S	L H E G S M R	V S A S Q P	K  T  L	550
N C W	GATGTGCCTC M C L C A S D V P P	P L H F P C T	R P Y S G H T	I S I F Q S	600
P V P E L F L	AACAATGGAA Q W N N N G T T M E	N F S T S A	T E I N Q K *	T T S T P L P	650
V L V	GGACCTCTTG G P L V D L L T S C	S N L F P I W	E I T K * P	H T S N I P Q	700

<sup>7/33</sup> Fig. 4C

10 20 30 40 50	
1234567890 1234567890 1234567890 1234567890 1234567890  ACCICACCIG TGIAAAATIT AGCAATACIA TAGACACAAC CAGCICCCAA  L T C V K F S N T I D T T S S Q  T S P V . N L A I L . T Q P A P N  P H L C K I . Q Y Y R H N Q L P M	750
TCCATCAGGT GGGTAACACC TCCCACACGA ATAGICTGCC TACCCTCAGG  C, I R W V T P P T R I V C L P S G  A S G G . H L P H E . S A Y P Q E  H Q V G N T S H T N S L P T L R	800
AATATTTTTT GICTGIGGIA CCICAGCCIA TCATTGITTG AATGGCICTT I F F V C G T S A Y H C L N G S S Y F L S V V P Q P I I V . M A L N I F C L W Y L S L S L F E W L F	850
CAGAATCIAT GIGCITCCIC TCATTCITAG TGCCCCCTAT GACCATCIAC E S M C F L S F L V P P M T I Y Q N L C A S S H S . C P L . P S T R I Y V L P L I L S A P Y D H L H	900
ACTGAACAAG ATTTATACAA TCATGTOGTA CCTAAGCCCC ACAACAAAAG T E Q D L Y N H V V P K P H N K R L N K I Y T I M S Y L S P T T K E . T R F I Q S C R T . A P Q Q K	950
AGIACCCATT CTTCCTTTIG TTATCAGACC ACGAGICCTA GGCAGACTAG V P I L P F V I R A G V L G R L G Y P F F L L L S E Q E C . A D . S T H S S F C Y Q S R S A R Q T R	1000
GTACTGGCAT TGGCAGTATC ACAACCTCIA CTCAGTTCIA CTACAAACTA T G I G S I T T S T Q F Y Y K L V L A L A V S Q P L L S S T T N Y Y W H W Q Y H N L Y S V L L Q T I	1050

8/33 Fig. 4D

·	
10 20 30 40	50
1234567890 1234567890 1234567890 1234567890 12345678	890
TCICAAGAAA TAAATOGICA CATOGAACAG GICACIGACT CCCIGGIC S Q E I N G D M E Q V T D S L V L K K . M V T W N R S L T P W S S R N K W . H G T G H . L P G I	CAC 1100 T P
CTIGCAAGAT CAACTIAACT COCIAGCAGC AGIAGICCTT CAAAATOO L Q D Q L N S L A A V V L Q N R C K I N L T P . Q Q . S F K I L A R S T . L P S S S S P S K S	R E
CACCITIAGA CITOCIAACC GCCAAAAGAG GGGGAACCIG TITATITI A L D L L T A K R G G T C L F I E L . T C . P P K E G E P V Y F S F R L A N R Q K R G N L F I F	•
GCAGAACAAC GCIGITATTA TGITAATCAA TOCAGAATTG TCACTGACGACGACGACGACGACGACGACGACGACGACGACGACG	K
AGITAAAGAA ATTOGAGATC GAATACAATG TAGAGCAGAG GAGCTTCA V K E I R D R I Q C R A E E L Q L K K F E I E Y N V E Q R S F I S . R N S R S N T M . S R G A S	N K
ACACCGAACG CTGGGGCCTC CTCAGCCAAT GGATGCCCTG GGTTCTC TERWGLLSQWMPWVL TPNAGASSANGCPGFS HRTLGPPQPMDALGSP	P P
TICITAGEAC CICIAGCAGC TCIAATATIG TTACTCCICT TIGGACO F L G P L A A L I L L L L F G P S . D L . Q L . Y C Y S S L D P L R T S S S S N I V T P L W T	V

9/33 Fig. 4E

10 1234567890 12	20 234567890	30 1234567890	40 1234567890	50 1234567890	
TATCITIAAC CI I F N L S L T S	CCTIGTIA		TTCCAGAATT S R I		1450
AGCTACAGAT GG L Q M V S Y R W A T D G		ATOGAACCCC M E P W N P G T P	A		1481

## 10/33 Fig. 5A

10 20 30 40 50	
1234567890 1234567890 1234567890 1234567890 1234567890	
TO AMAZICUT TELECTITUD TECTIONALE	50
SKSK SFR LAN RQKR GNL	
ONR RALD LLT AKR GGTC	
KIE EL. TC.PPKE GEP	
GITTATTTTT AGGGGAAGAA TGCIGITAGI ATGTTAATCA ATCIGGAATC	100
FIF RGRM LLV C . S I W N H	
LFL GEE CC. Y VNQ SGI	
VYF. GKNAVS MLINLES	
	150
ATTACTGAGA AAGTTAAAGA AATTTGAGAT CGAATATAAT GTAGAGCAGA	150
Y . E S . R N L R S N I M . S R	•
ITEKVKE I. D. R. I. C. R. A. E.	
LLR KLKK FEI EYN VEQR	
GCACCITCAA AACACIGCAC CCIGGGGCCT CCICAGCCAA TGGATGCCCT	200
GRACCITCAA AACACIGCAC CCIGGGGCCI CCICAGCAA IOTIICCCI G P S K H C T L G P P Q P M D A L	200
DLQ NTAP WGL LSQ WMPW	
TFK TLH PGAS SAN GCP	
TEKILINE GROOM	
GGACTCTCCC CTTCTTAGGA CCTCTAGCAG CTATAATATT TTTACTCCTC	250
DSPLLRTSSSYNIFTPL	
TLP FLG PLAA I I F L L L	
G L S P S . D L . Q L . Y F Y S S	
TITGGACCCT GIATCITCAA CITCCITGIT AAGITIGICT CITCCAGAAT	300
WTLYLQ LPC. VCL FQN	
F G P C I F N F L V K F V S S R I	
LDP VSST SLL SLS LPEL	
TGAAGCTGIA AAGCIACAAA TAGTTCTTCA AATGGAACCC CAGATGCAGT	350
. S C K A T N S S S N G T P D A V	
EAV KLQI VLQ MEP Q M Q S	
KL.SYK.FFKWNPRCS	

# 11/33 Fig. 5B

10 20 30 40 50	
1234567890 1234567890 1234567890 1234567890 1234567890  CCATGACTAA AATCTACCGT GGACCCCTGG ACCGCCTGC TAGACTATGC  H D . N L P W T P G P A C . T M L  M T K I Y R G P L D R P A R L C  P . L K S T V D P W T G L L D Y A	400
TCICATGITA ATGACATICA AGICACCCT CCCCAGGAAA TCICAACTGC . C H . S H P S R G N L N C S D V N D I E V T P P E E I S T A L M L M T L K S P L P R K S Q L H	450
ACAACCCCIA CIACACICCA ATICAGIAGG AAGCAGITAG AGCAGITGIC T T P T T L Q F S R K Q L E Q L S Q P L L H S N S V G S S . S S C Q N P Y Y T P I Q . E A V R A V V	500
AGCCAACCIC CCCAACAGIA CITGGGITIT CCTGTTGAGA GGGIGGACTG A N L P N S T W V F L L R G W T E P T S P T V L G F S C . E G G L S Q P P Q Q Y L G F P V E R V D .	550
AGAGACAGGA CTAGCTGGAT TTCCTAGGCT GACTAAGAAT CCCNAAGCCT R Q D . L D F L G . L R I P K P R D R T S W I S . A D . E S X S L E T G L A G F P R L T K N P X A X	600
ANCTOGGAAG GIGACCGCAT CCATCITIAA ACATGGGGCT TGCAACTIAG X W E G D R I H L . T W G L Q L S X G K V T A S I F K H G A C N L A L G R . P H P S L N M G L A T .	650
CTCACACCCG ACCAATCAGA GAGCTCACTA AAATGCTAAT CAGGCAAAAA S H P T N Q R A H . N A N Q A K T H T R P I R E L T K M L I R Q K L T P D Q S E S S L K C . S G K N	700

# 12/33 Fig. 5C

10 20 30 40 50	
1234567890 1234567890 1234567890 1234567890 1234567890	
CAGGAGGIAA AGCAATAGCC AATCATCIAT TGCCTGAGAG CACAGCGGGA G G K A I A N H L L P E S T A G O E V K Q . P I I Y C L R A Q R E	750
RR. SNSQSSIA.E HSGK	
ACGACAAGGA TICGGATATA AACICAGGCA TICAAGCCAG CAACAGCAAC R T R I G I . T Q A F K P A T A T G Q G L G Y K L R H S S Q Q Q Q P D K D W D I N S G I Q A S N S N	800
CCCCTTGGG TCCCCTCCCA TTGTATGGGA GCTCTGTTT CACTCTATTT  PFGSPLBLPLYGSSVFTTLF  PLWVPSHCCMGA GCTCTGTTT CACTCTATTT  CACTCTATTT  CACTCTATTT  CACTCTATTT  CACTCTATTT  CACTCTATTT  CACTCTATTT  PFGSSPLPLPLYGSSA GCTCTGTTT CACTCTATTT  PFGSSPLANG A L F S L Y F	850
CACICIATTA AATCATGCAA CIGCACICIT CIGGICCGIG TITTITATGG LY. IMQLHSSGPCFLW HSIKSCNCTLLVRVFYG TLLNHATALFWSVFFMA	900
CICAAGCIGA GCITTIGITC GCCATCCACC ACTGCTGITT GCCACCGICA L K L S F C S P S T T A V C H R H S S . A F V R H P P L L F A T V T Q A E L L F A I H H C C L P P S	950
CAGACCOCCT GCTGACTTCC ATCCCTTTGG ATCCAGCAGA GTGTCCACTG R P A A D F H P F G S S R V S T V D P L L T S I P L D P A E C P L Q T R C . L P S L W I Q Q S V H C	1000
TECTCCTGAT CCAGCGAGGT ACCCATTGCC ACTCCCGATC ACGCTAAAGG L L I Q R G T H C H S R S G . R C S . S S E V P I A T P D Q A K G A P D P A R Y P L P L P I R L K A	1050

## 13/33 Fig. 5D

10 20 30 40 50 1234567890 1234567890 1234567890 1234567890	
CTTGCCATTG TTCCTGCATG GCTAAGIGCC TGGGTTTGIC CTAATAGAAC  L A I V P A W L S A W V C P N R T  L P L F L H G . V P G F V L I E L  C H C S C M A K C L G L S N	1100
TGAACACTGG TCACTGGGTT CCATGGTTCT CTTCCATGAC CCACGGCTTC  E H W S L G S M V L F H D P R L L  N T G H W V P W F S S M T H G F  . T L V T G F H G S L P . P T A S	1150
TAATACACCT ATAACACTCA COCCATGGCC CAACATTCCA TICCTIGGIA I E L . H S P H G P R F H S L V S Y N T H R M A Q D S I P W Y N R A I T L T A W P K I P F L G I	1200
TCTGTGAGGC CAAGAACCCC AGGTCAGAGA ANGTGAGGCT TGCCACCATT S V R P R T P G Q R X . G L P P F L . G Q E P Q V R E X E A C H H L C E A K N P R S E X V R L A T I	1250
TGGGAAGIGG CCCACTGCCA TTTTGGTAGC GGCCCACCAC CATCTTGGGA G K W P T A I L V A A H H H L G S G S G P L P F W . R P T T I L G W E V A H C H F G S G P P P S W E	1300
CONTINUE Q G S P S N	1329

# 14/33 Fig. 6A

10 20 30 40 50 1234567890 1234567890 1234567890 1234567890	
CCTACAACGT ATICIOCACA ATTOGCACCA ATGICACACT CAGACGCTAA PRTYSGELGPM. HSDAK LERILEN WDQCDTQTLR . NVFWRIGTNVTLRR	50
GAAAGAAACG ATTTATATTC TICTGCAGTA COCCCTGGCC ACAATATCCT KETIYIL LQYRLA TISS KKRFIFFCSTAWPQYP ERND LYS SAV PPGHNIL	100
CTTCAAGGGA GAGAAACCIG GCTTCCTGAG GGAAGTATAA ATTATAACAT S R E R N L A S . G K Y K L . H L Q G R E T W L P E G S I N Y N I F K G E K P G F L R E V . I I T S	150
CATCTTACAG CTAGACCTCT TCTGTAGAAA GGAGGCCAAA TGGAGTGAAG H L T A R P L L . K G G Q M E . S I L Q L D L F C R K E G K W S E V S Y S . T S S V E R R A N G V K	200
TOOCATATOR OCAAACTTIC TITTCATTAA GAGACAACIC ACAATTATOR A I C A N F L F I K R Q L T I M . P Y V Q T F F S L R D N S Q L C C H M C K L S F H . E T T H N Y V	250
AAAAAGIGIG GITTATGOOC TACAGGAAGC CCTCAGAGIC CACCTCCIA K V W F M P Y R K P S E S T S L K K C G L C P T G S P Q S P P P Y K S V V Y A L Q E A L R V H L P T	300
PORPLPDSFLNGPPFPSVPSPTPSSTNKDPPLPDPLPASPPLLPQLIRTPL	350
TRACCCARAC CGTOCARAG CACATAGACA AAGGGGTAAA CAATGAACCA N P N G P K G D R Q R G K Q . T K T Q T V Q K E I D K G V N N E P . P K R S K R R . T K G . T M N Q	400
AACAGIGOCA ATTATIOCOCC ATTATICCCCC CTCCAAGCAG TGACAGCAGG E C Q Y S P I M P P P S S E R R K S A N I P R L C P L Q A V R G G R V P I F P D Y A P S K Q . E E E	450
ACANTICOCC CCASCCACAG TOCCIGIACC TITTICICIC TCACACITAA R I R P S Q S A C T F F S L R L K E F G P A R V P V P F S L S D L K N S A Q P E C L Y L F L S Q T .	500

## 15/33 Fig. 6B

10 20 30 40 50	
10 20 30 40 50 1234567890 1234567890 1234567890 1234567890	
ACCAPATIAN VALUE CALVE C	550
AN. NRPR. ILR. P. RLY	550
QIKIDL GKFS DNP DGY	, ,
SKLK T. VNS QITL TAI	
5 K L K . 1 . V N 5 Q 1 1 2 5 15 =	
ATTIGATOTITI TACAAGGGIT AGGACAATCC TITGATCIGA CATGGAGAGA	600
. C. F T R V R T I L . S D M E R	
I D V L Q G L G Q S F D L T W R D	•
LMFYKG. DNPLI. HGEI	
TATAATGITA CTACTAAATC AGACACTAAC CCCAAATGAG AGAAGIOCOG	650
V N V T T K S D T N P K E K C R	
IMLLLNQ TLT PNE RSAA	
. C Y Y . I R H . P Q M R E V P	
CTGTAACTGC AGCCCGAGAG TTTGGCGATC TTTGGTATCT CAGTCAGGCC	700
C N C S P R V W R S L V S Q S G Q	
VTA ARE FGDL WYL SQA	
L. LQ PES LAI FGIS VRP	
AACAATAGGA TGACAACAGA GGAAAGAACA ACTOCCACAG GOCAGCAGGC	750
Q . D D N R G K N N S H R P A G	
NNRM TTE ERT TPTG Q Q A	
TIG . QQR KEQ LPQ ASRQ	
AGITOCCAGI GIAGACCCIC ATTOGGACAC AGAATCAGAA CATGGAGATT	800
SSQC RPS LGH RIRT W R L	
V P S V D P H W D T E S E H G D W	
FPV . TL IGTQ NQN M E I	
	050
GGIGOCACAA ACATTIGOTA ACTIGOGIGO TAGAAGGACT GAGGAAAACT	850
VPQ TFAN LRA RRT EEN.	
CHKHLL TCVL EGL R K T	
GATNIC. LAC. KD. GKL	
	900
AGGAAGAAGC CTATGAATTA CTCAATGATG TOCACTATAA CACAGGAAA	900
EEA YEL LNDV HYN TGK	
RKKPMNY SMM STIT QGK	
GRSL.ITQ.CPL.HRER	
GGAAGAAAAT CTTACTGCTT TICTGGACAG ACTAAGGGAG GCATTGAGGA	950
GAAGAAAN CITACIGCIT TICIGGA AG ACIAAGGAG GATIGGGA	230
GRKS YCF SGQ TKGG I E E	
EEN LTAF LDR LREALRK	
KKILLLFWTD.GRH.G	
POLYMYCHIC CALCANONIM CACALLANAMIC YACALLAYUM YAULALAYA	1000
ASCATACCIC CCIGICACCI GACTCTATIG AAGOCCAACT AATCTTAAAG	1000
AYL PVT. LY. RPT NLKG	
HTS LSP DSIE GQL I LK	
SIPP CHL TLL KAN. S. R	

## 16/33 Fig. 6C

10 20 30 40 50 1234567890 1234567890 1234567890 1234567890	
CATAAGITTA TCACTCAGIC AGCTGCAGAC ATTAGAAAAA ACTTCAAAAG . V Y H S V S C R H . K K L Q K D K F I T Q S A A D I R K N F K S I S L S L S Q L Q T L E K T S K V	1050
TCTGCCTTAG GCCCGGAGCA GAACTTAGAA ACCCTATTTA ACTTGGCATC S A L G P E Q N L E T L F N L A S L P . A R S R T . K P Y L T W H P C L R P G A E L R N P I . L G I	1100
CICAGITITI TATAATAGAG ATCAGGAGGA GCAGGGGAAA CGGGACAAAC S V F Y N R D Q E E Q A K R D K R Q F F I I E I R R S R R N G T N L S F L R S G G A G E T G Q T	1150
GOGATAAAAA AAAAAAOOGGG GGTCCACTAC TTTAGTCATG GCCCTCAGGC D K K K R G G P L L . S W P S G G I K K K G G V H Y F S H G P Q A G . K K K G G S T T L V M A L R Q	1200
AACCACACIT TOGACOCTCT CCAAAACCGA AAACCTCCCC AAATCAAATG KQTLEALQKG KAGQIKC SRLWRLCKREKLG KSNA ADFGGSAKGKSWA NQM	1250
CCTAATAGG CTGCCTTCCA GTGCCGTCTA CAAGGACACT TTAAAAAAGA LIG LASSAVY KDT LKKI G W LP V RST RTL . KR PNRA G F Q C G L Q G H F K K D	1300
TTATOCAAGT ACAAATAACC COCCCCTTG TOCATGCCCC TTACGTCAAG I Q V E I S R P L V H A P Y V K L S K . K . A A P L S M P L T S R Y P S R N K P P P C P C P L R Q G	1350
CCAATCACTG CAACGOOCAC TCOOCCACG CATCAACATA CTCTCAGTCA G I T G R P T A P G D E D T L S Q E S L E G P L P Q G M K I L . V R N H W K A H C P R G . R Y S E S	1400
CAAGOCATTA ACCAGATGAT OCCAGCAG CACTGAGGGT GOOOGGGGGG K P L T R . S S S R T E G A R G E S H . P D D P A A G L R V P G A E A I N Q M I Q Q Q D . G C P G R	1450
ACCOCCACC CATCCCATCA COCTCACACA GOCCOCCCTA TGTTTCACCA R Q P M P S P S Q S P G Y V . P S A S P C H H P H R A P G M F D H A P A H A I T L T E P R V C L T I	1500

### 17/33 Fig. 6D

1:0	20	. 30	40	50		
1234567890 1	234567890	1234567890	1234567890	1234567890	· ·	
TTGAGAGCCA A			•		1511	
L R A	•					
. E P				•		*
F C O						

## 18/33 Fig. 7A

10 20 30 40 50	•	
1234567890 1234567890 1234567890 1234567890		
ATTOCACCA GCCATCATCA TCATCATCAC AGCAGCGCC TGGTGCCGCG	50	
MGSSHHHHHHSSGLVPR		
COCCACCCAT ATCCCTACCA TGACTGGTGG ACACCAAATG GGTCGGATCC	100_	
GSH MASM TGG QQM GRIL		
TAGAACGIAT TCTGGAGAAT TGGGACCAAT GTGACACTCA GACGCTAAGA	150	
ERILEN WDQC DTQ TLR		
E K I B B II II E		
AAGAAACGAT TTATATTCTT CIGCAGTACC GCCIGGCCAC AATATCCTCT	200	
K K R F I F F C S T A W P Q Y P L	•	
KKRFIFFCSIAWIZ		
TCAAGGGAGA GAAACCTGGC TTCCTGAGGG AAGTATAAAT TATAACATCA	250	
TCAACCIACA CAAACCIACA TICCIAAAA AASTATAAA TATAAATATA		
QGRETWL PEGSIN YNII		
	300	
TCTTACAGCT AGACCICTTC TGTAGAAAGG AGGGCAAATG CAGTGAAGTG	300	
LQL DLF CRKE GKW SEV		
	350	
CCATATGICC AAACITTCIT TICATTAAGA GACAACICAC AATTATGIAA	330	
PYVQ TFF SLR DNSQ LCK		
	400	
AAAGIGIGGT TIATGCCCTA CAGGAAGCCC TCAGAGICCA CCTCCCTACC	400	
KCG LCPT GSP QSP PPYP		
	450	
CCAGGICCC CTCCCCGACT CCTTCCTCAA CTAATAAGGA CCCCCCTTTA	450	
SVPSPTPSSTNKDPPL		
ACCCAAACGG TCCAAAACGA GATAGACAAA GGGGTAAACA ATGAACCAAA	500	
TQTVQKE IDK GVNN EPK		
CACTOCCAT ATTCCCCCAT TATCCCCCCT CCAACCACTG ACACCACGA	550	
SAN I PRL CPL QAV RGGE		
S R N 2 2 N 2 N 2 N 2 N 2 N 2 N 2 N 2 N 2		
AATTOGGCCC AGCCAGAGTG CCTGTACCTT TTTCTCTCTC AGACTTAAAG	600	
FGPARVPVPFSLSDLK		
F G F A K V I V I I I		
CAAATTAAAA TAGACCTAGG TAAATTCTCA GATAACCCTG ACGCTATAT	650	
Q I K I D L G K F S D N P D G Y I		
O I K I D II G K I S D II I S S I =		
TGATGITTIA CAAGGGITAG GACAATOCIT TGATCTGACA TGGAGAGATA	700	
TEATERITY CARGOTTAL GALAMICET TOMICIONA TOTAL	· -	
DVL QGLG QSF DLT WRDI		
The same of the sa	750	
TAATGITACT ACTAAATCAG ACACTAACCC CAAATGAGAG AAGTGCCGCT		
MLL LNQ TLTP NER SAA		

# <sup>19/33</sup> Fig. 7B

10 20 1234567890 1234567890 1234	30 40 567890 1234567890 12345678	50 390
GIAACIGCAG COCCAGAGIT TOOC V T A A R E F G	CATCIT TOGIATOTOA GTOAGGO	2AA 800
CAATAGGATG ACAACAGAGG AAAG N R M T T E E R	AACAAC TOOCACAGGC CAGCAGGC T T P T G Q Q A	CAG 850 V
TICOCAGIGI AGACCCICAT TOGG	ACACAG AATCAGAACA TOGAGAT TESEHGDV	reg 900 V
TGCCACAAAC ATTTGCTAAC TTGCC		
GAAGAACCCT ATGAATTACT CAATC	EATGIC CACTATAACA CAGGGAAA M S T I T Q G K	AGG 1000 E
AAGAAAATCT TACIGCITIT CIGGA ENLTAFLD		
CATACCICCC TGICACCIGA CICIA H T S L S P D S I		
TAAGITTATC ACTCAGTCAG CTCCA K F I T Q S A A		
TGCCTAACCT TGCCGCCCCA CTCGA	CCACC ACCACCACCA CCACTGAC H H H H H H H I	AT 1200
COCCCICCIA ACAAAGCCCCG AAAGG		1247

## <sup>20/33</sup> Fig. 8A

<b>.</b>		
10 20 30 40 50		
1234567890 1234567890 1234567890 1234567890 1234567890	<del></del>	
ATGCCTACCA TGACTGGTGG ACAGCAAATG GGTCGGATCC TAGAACGTAT	. 50	
MASM TGG Q Q M G R I L E R I		
H I D H I O O Q Q H O N I I I I N I		
	100	
TCTGGAGAAT TGGGACCAAT GTGACACTCA GACGCTAAGA AAGAAACGAT	100	
LEN WDQC DTQ TLR KKRF	-	
,		
TTATATTCIT CIGCAGTACC GCCIGGCCAC AATATCCICT TCAAGGGAGA	150	
IFF CST AWPQ YPL QGR		
0111 000000	200	
GAAACCIGGC TICCIGAGGG AAGIATAAAT TATAACATCA TCITACAGCT	200	
ETWL PEG SIN YNII LQL	•	
AGACCICIIC TGIAGAAAGG AGGCAAATG GAGTGAAGTG CCATATGTCC	250	
DLF CRKE GKW SEV PYVQ		
		•
A A COMPANY OF CALCADOR A A MORA OF A A A A COMPANY OF CALCADOR A A MORA OF CALCADOR A A A A COMPANY OF CALCADOR A A A C	. 200	
AAACTITCIT TICATTAAGA GACAACTCAC AATTATGTAA AAAGTGTGGT	300	
TFF SLR DNSQ LCK KCG		
TTATGCCCTA CAGGAAGCCC TCAGAGTCCA CCTCCCTACC CCAGCGTCCC	350	
LCPTGSPQSPPPYPSVP		
CICCCCGACT CCTICCTCAA CTAATAAGGA CCCCCTTTA ACCCAAACGG	400	
	400	•
SPT PSST NKD PPL TQTV	•	
TOCAAAAGGA GATAGACAAA GGGGTAAACA ATGAACCAAA GAGTGCCAAT	450	-
QKE IDK GVNN EPK SAN		•
~		
ATTICCCOCAT TATICCCCCCT CCAAGCAGIG AGAGGAGGAG AATTICGGCCC	500	
	300	
IPRL CPL QAV RGGE FGP		
ACCCAGAGIG CCIGIACCIT TITICICICIC AGACITAAAG CAAAITAAAA	550	
ARV PVPF SLS DLK QIKI		
TAGACCTAGG TAAATTCTCA GATAACCCTG ACGCCTATAT TGATGTTTTA	600	
DLGKFSDNPDGYIDVL	555	
D D G R F S D N F D G I I D V D		
	<b>~~</b>	
CAAGGETTAG GACAATOCTT TGATCTGACA TGGAGAGATA TAATGTTACT	650	
QGLG QSF DLT WRDI MLL		
ACTABATCAG ACACTAACOC CAAATGAGAG AAGTGCCGCT GTAACTGCAG	700	
LNQTLTPNERSAAVTAA		
THALL HEVSTH		
	aco.	
CCCGAGAGIT TGGCGATCIT TGGTATCTCA GTCAGGCCAA CAATAGGATG	750	
REF G D L W Y L S Q A N N R M		

### 21/33 Fig. 8B

10 20 30 40 50 1234567890 1234567890 1234567890 1234567890	
ACAACAGAGG AAAGAACAAC TOOCACAGGC CAGCAGGCAG TTOOCAGTGT T T E E R T T P T G Q Q A V P S V	
AGACCCICAT TOOGACACAG AATCAGAACA TOGAGATTOG TOCCACAAAC D P H W D T E S E H G D W C H K H	850
ATTTOCTAAC TICOGTOCTA GAAGGACTGA GGAAAACTAG GAAGAAGCCT L L T C V L E G L R K T R K K P	900
ATGAATTACT CAATGATGIC CACTATAACA CAGGGAAAGG AAGAAAATCT M N Y S M M S T I T Q G K E E N L	950
TACTOCTITT CTOGACAGAC TAAOOGAGC ATTGAGGAAG CATACCTCCC T A F L D R L R E A L R K H T S L	1000
TGTCACCTGA CTCTATTGAA GGCCAACTAA TCTTAAAGGA TAAGTTTATC S P D S I E G Q L I L K D K F I	1050
ACTCAGICAG CTCCAGACAT TAGAAAAAAC TTCAAAAGTC TGCCTAAGCT T Q S A A D I R K N F K S L P K L	1100
TGCCGCCCCA CTCGAGCACC ACCACCACCA CCACTGAGAT CCGCCTGCTA A A A L E H H H H H H H D P A A N	1150
ACAAAGCCCG AAAGGAAGCT GAGTTGGCTG GTGGCA KARKEAELAG G	1186

# <sup>22/33</sup> Fig. 9A

10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
C P L C V R C	S.S APDP	S T G A Q A			50
G R	L A I V L P L	PAQFLHS	. V P	W V H P	100
L I E L	EH. NTS	S L G S H W V	TVL	F H D S M T	150
	I E L . S Y	. н s итн		R F H Q D S I	200
	S V R P	R T P Q E P Q	G Q R V R E	T Q G L H K A	250
TGCCACCATG ' P P C C H H V A T M	W K Q G S S	P T T I P P P	L E A F W K Q	ARH PAT	300
TATCITICGGA ( Y L G S I L G A S W E	S G S A L G A	K D P R T P	R . Q F	G D H L V T T	
CGAAGGGACC C E G T K G P R R D L	I R N E S A	H E G T M K G	ISK SPK	A I G N Q L E	400

## Fig. 9B

10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
			GATGIATICT C I L		450
MFLP	R Q K	CP.	D V F W M Y S	R I G	· · ·
GACCAATTIG	ACCCTCAGAC	AGTAAGAAAA	AAATGACTTA	TATTCTTCIG	500
DQFD TNL PI.	T L R Q	. E K	N D L	Y S S A	
S T A V P P	L A T I W P R	S S S Y P L Q	AAGOGGGAGA R G R G G E K G E K	N L A S T W P	550
. G K P E G S	Y K L I N Y	. H H L N T I	TTACAGCTAG TAR LQLD YS.	P V L L F C	600
R K G	Q M E G K W S	. S A E V P	ATATTTACAA I F T N Y L Q I Y K	F L F T F F S	650
	Q L A I N S Q	м L Т L С . Q	V . F C D L	V F L H C S Y	700
ACGGAAGCCC GSP TEAL RKP	Q I L R F Y	L P T P S P P	G I S P A S P	P E S L N P	750
CICCCCAACT T L P N L S P T Y P Q L	<b>?</b>				764

### Fig. 10A

10 20 30 40 50	
1234567890 1234567890 1234567890 1234567890	
TGICCGCIGI GCICCIGATC CAGCACAGGC GCCCATIGCC TCICCCAATT	50
CPLCS.SSTG AHCL SQL	
VRCAPDPAQAPIASPNW	•
SAV LLI QHRR PLP LPI	
GGCTAAAGG CTIGCCATIG TICCIGCACA GCTAAGIGCC TGGGITCATC	100
G.R LAIV PAQ LSA W V H P	
AKG LPLFLHS . VP GFI	
GLKA CHC SCT AKCL GSS	
CTAATOGAGO TGAACACTAG TCACTGGGTT CCACGGTTCT CTTCCATGAC	<b>15</b> 0
NRAEH. SLGSTVLFHD	
LIEL NTS HWV PRFS SMT	
. SS . TLV TGF HGS LP. P	·
	200
CCATGGCTTC TAATAGAGCT ATAACACTCA CTGCATGGTC CAAGATTCCA	200
PWLL: IEL. HS LHGP RFH	÷
HGFSYNTHCMVQDSI	
MASNRAITLTAWSKIP	
TICCITICGAA TCCGIGAGAC CAAGAACCCC AGGICAGAGA ACACAAGGCT	250
S L E S V R P R T P G Q R T Q G L	
PWN P. D Q E P Q V R E H K A	
FLGI RET KNP RSEN TRL	
TGCCACCATG TTGGAAGCAG CCCACCACCA TTTTGGAAGC GGCCCGCCAC	300
PPC WKQ PTTI LEA ARH_	
CHHV GSS PPP FWKR PAT	
ATM LEAA HHH FGS GPP L	
TATCTTGGGA GCTCTGGGAG CAAGGACCCC CAGGTAACAA TTTGGTGACC	350
Y L G S S G S K D P Q V T I W . P	
ILG ALGARTPR.QFGDH	
SWE LWE QGPPGNN LVT	
ACGAAGGGAC CTGAATCCGC AACCATGAAG GGATCTCCAA AGCAATTGGA	400
RRD LNPQ P. R DLQ SNW K	
EGT . IR NHEG ISK AIG	
TKGPESATMKGSPKQLE	

## Fig. 10B

	•			_	
10		30			
				1234567890	
				TGGAGAATTG	450
		N A P K			
N V P P	K A K	M P L	R C I L	E N W	
M F L	P R Q K	CP.	D V F	WRIG	•
GGACCAATCT	GACCTCAGA	CAGTAAGAAA	AAAAATGACT	TATATICTIC	500
				Y S S	
ם כ	DPOT	V R K	кмт	YILL	•
TNL	т т <del>г</del> г	O E K	K . I.	IFF	
	T 11 10	Q			
TGCAGTACCG	CCTGGCCACG	GATATCCTCT	TCAAGGGGGA	GAAACCIGGC	550
		Y P L			
		D I L F			
C S T A	WPR	I S S	S R G R	N L A	•
		TATAACACCA			600
		Y N T I			
L L R E	v . I	I T P	S Y S.	T C F	
S.G	K Y K L	. н н	L T A	R P V L	
m~m,	C2 CCC2 2 2 200C	CACTICA ACTIC	ССУПЛЯПППЛАС	AAACITICIT	650
		S E V			
VEK	EANG	V K C	11 T T	M F T.	•
. K R	R Q M	E . S A	TFI	14 1 1	
מ מ מינייוימייוית	CACAACTICS	ልልተርንኮልተጥልል	ACACTICICAT	TIGIGICCIA	700
S L K					
. T L C	m m p	NYVN	SVT	CVL	
		I M .			
FIKK	Q L A			• •	
CAGGAAGCCC	TCAGATCIAC	CICCCIACCC	CGGCATCTCC	CIGACICCIT	750
G S P	QIY	L P T P	A S P	. L L	
		S L P			
R K P	S D L P	P Y P	G I S	L T P S	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ma a ~~a ~~~a	CHITCH CONTR	አ አ <i>ር</i> አርመንር አ አ	አአርርልርአመልር	800
CCCAACTAA	TAAGGACCCA	CTTCAGCCCA	VI G D A	בועדעייערנישע	000
ьбрт	KTH	F S P	w 22 V	K D T	
PM N	. GPT	SAQ	U G K	ъ т	
P T N	K D P	L Q P K	Z S K		

# <sup>26/33</sup> Fig. 11A

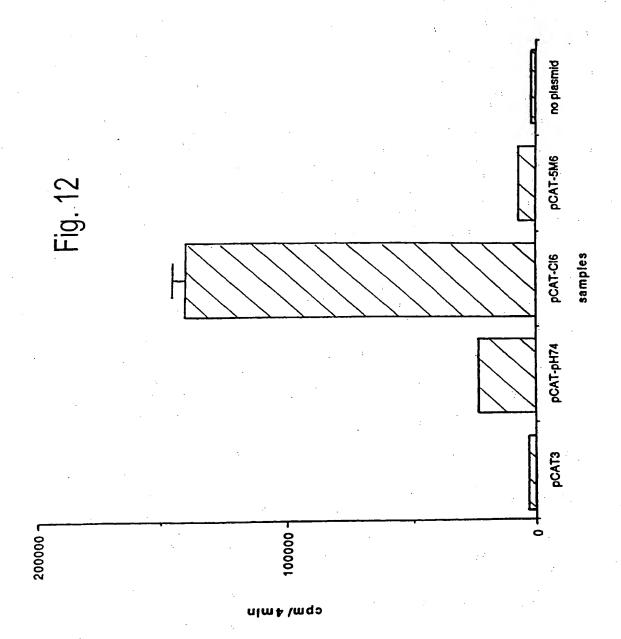
10	20	30	40		
1234567890 12345	67890 123456	7890 12345	67890 123 <u>4</u>	567890	
GCATIGATA GCACC G I D S T A L I A P H H F	CATCA GATGGC H Q M A I R W P	CAAA TCATI KSL NHY	ATTIA CIGO FT G LLL	ACCAGG PG QA	50
CCTTTICAAA ACTAT L F K T I F S K L S P F Q N Y	K Q I G	PVK GP.	CHAK SMP	K K	00
TAATCCCCIG CCTTA I P C L I . S P A L : N P L P Y	A M F I S P C S	L Q E F R R	N K E T K N	Q A R P	50
ATTACCCAGG GGAAG I T Q G K ' L P R G R Y P G E D	rg N . La TR	I L P F Y F	TWP HGQ	N V M S	00
CAGGGATTIC AGCATO R D F S I G I S A S Q G F Q H I	Y . S G T S L (	Q I L G R Y	, s <sub>L V</sub> f h W	G W L G	50
GAGICITCT CCTIG S L L L V G V F S L E S S P C	G Q K I . D R K	R P K D P R	R G N K	R H G T	000
TAATCAAATA ATTCCC N N S ( N E I I P M K . F P	Q I W T R F G L	S P R P P G	IT G	. Q B D N	50

## <sup>27/33</sup> Fig. 11B

10 20 30 40	
1234567890 1234567890 1234567890 1234567890 123456789	
ATGGCCCCCC TTTCAAGGCT GCAGTAACCC AGGGAGTATC CCAGGTGT	IA 400
WPRFQGCSNPGSIPGV	R
GPAFKAAVTQGVSQVL	
MAPLSRLQ.PREYPRC	• .
GCCATACAAT ATCACTTACA CTGTGCCTGG AGGCCACAAT CCTCCAGA	AA 450
HTISLTLCLEATILQK	
GIQY H L H C A W R P Q S S R I	
AYNITYT VPG GHN PPE	K
AGICAAGAAA ATGAATGAAA CACTCAAAGA TCIAAAAAAG CIAACCCA	
SQENE.NTQRSKKANPI	R
V K K M N E T L K D L K K L T Q	E
SRK . MK HSKI . KS . PK	
	: 
AAACCCACAT TGCATGACCT GITCIGITGC CTATAACCTT ACTAAGAA	IC 550
NPHCMTCSVAYNL TKN	. <b>P</b>
THIA.PVLLPITL LRI KPTL HDL FCC L. PY . E :	q
KPTL HDL FCC L. I I . L.	5
CATAACIATO COCCAAAAAG CAGGACTTAG COCATACGAG ATGCTATA	IG 600
. L S P K K Q D L A H T R C Y M	
HNYPPKSRT. PIRDAI	M
ITI PQKA GLS PYE MLY	G
GATGGCCTTT CCTAACCAAT GACCTTGTGC TIGACTGAGA AATGGCCA	
DGLS . PM TLC LTEK W P	
MAFPNQ.PCA.LRNGQ	ملاً.
WPFLTN DLVL D.E MAN	
TIAGITGCAG ACATCACCIC CTIAGCCAAA TATCAACAAG TTCTTAAA	AC 700
LQTSPP.PNINKFLK	
SCR HHL LSQISTS S. N	
LVAD ITS LAK YQQV LK	T

### 28/33 Fig. 11C

10	20	30	40	50	
1234567890	1234567890	1234567890	1234567890	1234567890	
ATCACAGGGA	ACCIGICCCC	GAGAGGAGGG	AAAGGAACTA	TICCACCCIG	750
H R E	P V P	E R R E		STL	
I T G N	L S P	R G G	K G T I	P P W	
S Q G	T C P R	E E G	KEL	F H P G	
			··		750
GIGACAIG					758
V T			•		
. H		₹ # ÷	2		
D M					



500 1400 200 COGCATATAA ACCOAGGAT TCAAGGGGG ACGCAACC CCCTTGGGT CCCCTCCTT TGTATGGGCG CTCTGTTTTC ACTCTATTTC ACTCTATTAA CCANTCAGAG ACCTCACTAA ANTGCTAATT AGGCAAAAAT AGGAGGTAAA GAAATAGCCA ATCATCTATT GCCTGAGAGC ACAGCGGGAG GGACAAGGAT aciditanta accaacence cearageae megentime enemeara geograpia gagacagae CATCACTAAG PAGCTGGATT TOCTAGGOCA ACGAAGAATC CCTAAGCCTA GCTGGGAAGG TGACTGCATC CACCTCTAAA CATGGGGCTT GCAACTTAGC CTTOCTANC GCCAMAGAG GGGGAACCTG CTACTTOTO TAAATGGTGA CATGGAACAG GCACCCCCTC CATECTGCTG . 1 1 1 ¥ ACCTACAGAT TCACATTICAA TCCATCAGGT C I R W CANANTCOAN GAGCTITAGA CAGNATCTAT TCTCANGAM ت د د LSKL D I E CCTCTCACT . O . TCCACATTO TCACTGAGAA ACAGUATA ACACACTIC
T B I IN T T S CTCAGTTCTA CTACAAACTA COTCTCACC CAMACCCTA CCCTAGGAGG AGTAGTCCTT **COCTCCATGA** CCTCACCCTA CMCTTMCT ( GCACACACA CCTCTTATTA ACTGACAG ATTTATACA 7007 ACCEPTOACTC z z .. O M TATOCCCCAA ATTTAATACC J TTOCANGAT NTCCACCOTG

Fig. 13

100	200	300	400	500	200	700	800 267	300	1000	1100	1197
Trecreecer	TAGGCATTGA G I D	AAGAAATAAT R N K	MATCACAGG	AGGCACTAGT A L V	CCAGGCGTTA Q A L	CTAACCCAGG	TOCTOTATOG	terrunca L K T	S L D T	TCAACCTO	ACCOTOR P
AGGACATGGT G H G	ACCTTCCACT	MGTGTGCCA V & Q	CCACATGCCA H H P	GAGGTAATAA E V I K	AGGGAGTATC G V S	TCTAAACAAG L N K	CCATACAGAA P Y R N	ATCACAAGT Q Q V	TATTCCCA N S P	CACACTCGAN	TCMGCMC
GAACCTCACO	CCTTCAGCAA	AGGCCTGTG	TAGATTITAT  D F I	AAAGTTCCAA K P Q	ACAGTAACCC T V T Q	TCAAACGACA K R H	AGGACTTAGC G L S	TTAGCCALAT	ccerrecere	TTOGATACAT W I H	receneerer c
ATAGAATGGG	TACTTANAAC L K T	GCAGATAGTC Q I V	CACTGGCAAC	GTAGGACAGA R T E	TTTCAAGGCC F K A	ATGAHACAC X X T L	CCCAAAGGC	CATCACCTCC I T S	TINGICANGE L V K S	CAGTOGAGTC V E S	AGAGGATCTG
AGNOMANA E E E	CATGGAAT Q W K L	ANACTATCAA T I K	CCCAAGAAA P R E	GCCTTCCCCT	ATGCTCTGC G P A	GGTTGAGAAA V E K	CULUCTOTO Q N S P	TAGTTGCAGA V A D	TGTCATGGTA V M V	AMGTGGCTG R V A G	TRUNCCICT E P L
CCCAGTACTC 2	GGCAGCTAAC	GCCTTTCA G L F K	CAGGCAATTA G N Y	TTGGCAGAG W A E	CAGAGTGACA Q S D N	CCTCAGGGAA	ACTANGAATC L R I	ATGCCLACT K A H L	TCCACCCTOG H P G	AACTGCGGTT T A V	AGCTATITICE S Y F F
SAAACCAAGC E T K P	ractitudes L L L	TACTOGACCA T G P	GAACAAAGAA E Q R T	CTTICACTGG F T G	CTGAGGCTTA G L	AGGCCACAAT R P Q S	CTATAGCCTT I A L	TCACCAGAG D Q E	AMGAMATAT K E I P	TATCTATCCC S I P	GGACAACGCT D N A
CCCTCCGG O	SANGGAAAAA E G K I	ATCATTATT S	rctrcaga P S G	TGGTAGATA	regaentee g L P	CTGCACCTAG	GCTCTGTTGT A L L S	ACCTICISCT L L L	AGAGGAGGGA E E G	CCASTCATTT P V I L	AAAATCCAGG N P G
M G N	GCCACTGAA C	AGATAGCCA A	NTCGCCAAGC '	retactaste t t 3	ATTCCCAGAT	ATCACTTACA H L H	COCATOSTCT A W S	CTAACCAATG	CCTGTCCCCG	AGGACCCTAC	AAGGAACCG
GGACCCGTAG TATGGGGTAA TCCCCTCCGG GAAACGAAGC CCCAGTACTC AGAAGAAAAAGG GAACCTCACG AGGACATGGT TTCCTCCCCT $G \mid P \cup V \cup W \cup G \cup V \cup V$	CAGGATGGCT AGCCACTGAA GAAGGAAAAA TACTTTTGCT GGCAGCTAAC CAATGGAAAT TACTTAAAAAC CCTTCAGCAA ACCTTCCACT TAGGCATTGA G W L A T E E G K I L L L A A N Q W K L L K T L Q Q T P M L G I D	TAGCACCCAT CAGATAGCCA AATCATTATT TACTGGACCA GGCCTTTTCA AAACTATCAA GCAGATAGTC AGGGCCTGTG AAGTGTGCCA AAGAAATAAT S T <u>e</u> q i a k s l f t g p g l f k t i k q i v r a <u>c</u> z v <u>c</u> q r n n	CCCCTGCCTT ATCGCCAAGC TCCTTCAGGA GAACAAAGAA CAGGCAATTA CCCAAGAGAA GACTGGCAAC TAGATTTTAT CCACATGCCA AAATCACAGG	GAITTCAGTG TCTACTAGTC TGGGTAGATA CTTTCACTGG TTGGGCAGAG GCCTTCCCCT GTAGGACAGA AAAGTTCCAA GAGGTAATAA AGGCACTAGT F Q C L L 7 % V D T F T G W A E A P P C R T E K P Q E V I K A L V	TCATGAAGTA ATTCCCAGAT TCGGACTTCC CTGAGGCTTA CAGAGTGACA ATGGTCCTGC TTTCAAGGCC ACAGTAACCC AGGGAGTATC CCAGGCGTTA H E V I P R F G L P , G L Q S D N G P A F K A I V I Q G V S Q A L	GGIATAGAAT ATCACTTACA CTGCACCTAG AGGCCACAAT CCTCAGGGAA GGITGAGAAA ATGAAAACAC TCAAAAGACA TCTAAAACAAG CTAACCCAGG G I R Y H L H C T . R P Q S S G K V K K K T L K R H L N K L T Q K	AAACCCACCT GCCATGGTCT GCTCTGTTGT CTATAGAATC CAAAACTCTC CCCAAAAGGC AGGACTTAGC CCATACAGAA TGCTGTATGG	ACGGICCTIC CIAACCAAIG ACCTICTGCT TGACCAAGAG ATGGCCAACT TAGTIGCAGA CATCACCTCC TTAGCCAAAT ATCAACAAGT TCTTAAAACA R S F L T H D L L L D Q B K A H L V A D I T S L A K Y Q Q V L K T	TIACAAGGAG CETGICCCCG AGAGGAGGGA AAAGAAATAT ICCACCCTGG IGTCATGGTA IIAGICAAGT CCCTICCCTC IAAITICCCCA ICCCTAGACA L Q G A C P R E E G K E I P H P G V M V L V K S L P S M S P , S L D T	CATECTIGGGG AGGACCCTAC CCAGTCATTT TATCTATCCC AACTGCGGTT AAAGTGGCTG GAGTGGAGTC TTGGATACAT CACACTCGAA TCAAACCCTG S w G G P Y P V I L S I P T A V K V A G V E S W I H H T R I K P W	CATACTGCCG ANGANCCCG AAANCCAGG GGACAACGCT AGCTATTTCT TTGAACCTCT AGAGGATCTG TGCCTGCTCT TCAAGCAACA ACCGTGA I L P K E P E N P G D N A S Y F F E P L E D L C L L F K Q Q P .

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100	200	300	400	200	009	700	800	900	1000	1100	1200	1300	1400	1500	1600	06.71	1719.	
GACHADOCOL CONTRACTIC COTICOCICHA GEOGRAM, ACCOMANA MAKOOMONA GEOGRAM, CHAMANARA CHOONAGAA En ssiswila in Krree ee et	CANGARGA CTICARGEA CHACARGIA AUGUNTA AUCUTATICCT TANARCEG CHANTIC TOILTICTA COCACOCAT K K N L K R E R S S K E K T V Y P I P L K A R V N F C L P S Q G I	APTETICINA TOTOCHAM CHOCHOOC ATMENTER CARCING MCCINGIC THEOPAGE COACAIDA CATECOCA FFLCGTSTYICLPTNWTGTR GTRTLVFLSPNINIAP	GANATCACA COCTATIOST ACTIOTICAA CÉTANACTOC GTONATCAC CONTACACA CONTACACATE CONTACANTE CO	ONCONDICTO ANTACCOURT CONDICCTA CHOONDANA CONTINUACA CHOTICONA CAMINATA ANTENTICI GIGING EINKSIL	THE $Q$ S $Q$ L $D$ S L A A M T L $Q$ N R R $G$ P H L L T A E K $G$ $G$ L C T F	THOSCORIO MENOTION TECKTING CHORLOGICA THOSCHOOL CHITECHOS MAGGOSTIC TORNOCIA CHITCHE AND ATWHEN BY BY BY HE OF BAS DIR OCLS	CAAKTICTTA TACCACCIC TGAGTTGG CAACATGCT TCTTCKTT CTACCTTTA CTCCTTTG GGCCTTTG GGCCTTTTG GGCCTTTG GGCCTT	TITINGETT CINGIONAL TIGITICCIE DICATIONA CONTENOC TACABOOT CIDONATO CALCONA TRETTONE TANONETIC F K L L V K F V S S R I E A I K L Q M V L Q M E P Q M S S T N N F	TACCHARIAC CETECHACA ATECHATA OCTIGARIA TOCCIOTOS MARCHETAC ANCTURAS COCTITUTA COCCUMIONOS AN PIO Y Q G P E F A PIO F A PIO F A PIO FINA FINA FINA FINA FINA FINA FINA FINA	ACCIGINATE ACTIVISCO CONTINUES ANTICCION CICINATIOS CONTINUES TO TOTAL CONTINUES TO A CONTINUE CONTINUES TO A CONTINUE TO A CONTI	TOACHOCCOT CONTINGENCY TOACCTION TOACHOTT GOOGNECT AND ACTIONATION OF A P C L R S P S A C H C I V G A S H S P S A C H C I V G A S	TICH DECEMBER OF SOLPOLAGE RYGGROUPS CANCED SOLVE SOLVE LAGEYGGROUPS CANCER CONTROLLED AGGROUPS CAN RLRAF RAGROUPS CONTROLLED RGROUPS CAN RLRA	CONCLUDE TICHOSTOR CONTRACTOR RANGE IN STANDED TO STANDED AND TO STANDED STAND	CONTROLL MOTION OF A GLEEN A CPCLSPPRR GEL HSP	RECTIONESS ACADEMICA CONTINUE ASSESSED OF THE RECT OF THE AREA OF A VERY OF THE OF	THOSE THOSE COCCUSATES TRANSPORTED CONTROLL OF THE STATE	THAMBOUCE AND GOOD	X : ;